

Message

From: Smallbeck, Donald R. [donald.smallbeck@amecfw.com]
Sent: 6/14/2016 8:19:24 PM
To: d'Almeida, Carolyn K. [dAlmeida.Carolyn@epa.gov]; JERRARD, CATHERINE V GS-13 USAF HAF AFCEC/CIBW [catherine.jerrard@us.af.mil]; Pearson, Stuart C. [stuart.pearson@amecfw.com]
CC: Davis, Eva [Davis.Eva@epa.gov]; Wayne Miller [Miller.Wayne@azdeq.gov]; steve@uxopro.com; Brasaemle, Karla [KBrasaemle@TechLawInc.com]; Rohrbaugh, Amanda [ARohrbaugh@TechLawInc.com]
Subject: RE: 2016-6-6 - WAFB FYI - ST012 Daily report Sun June 5 - C21 well TD at 160 ft - U29 napl at 165 - L46 well - L45 drill - SW UXO

Carolyn

Thank you for your comment regarding the positive dye test at 165 feet for well UWBZ29 and request that UWBZ29 should be screened from 165-185, not 170-190 feet. You are correct that a positive dye test result at 165 feet did occur; however, please note there are other factors in addition to the dye test results used to assess the screened interval at a particular location.

For well UWBZ29 the screened interval was selected at 170-190 feet for the following reasons:

- The positive dye test result was noted as pink (not a strong indication). The PID reading for this interval was ~150 ppmv which is low based on other site data collected (we often observe PID reading >1000 with a positive (red rather than pink) dye test.
- The pink dye test result was stratigraphically located in a thin clay layer overlying a well graded sand interval which is preferential for injection of solution to enhance the EBR process.
- Although this is an upper water bearing zone well, the CZ is located at the 156 foot interval in this boring, thus the risk of short circuiting injections to the CZ would be a concern if screened at 165 feet. This risk was discussed in the RA/RD WP for EBR
- An existing SEE CZ well (CZ14) located approximately ~25 upgradient is screened down to 161' and the plan is to use this location as an injection well which would address the 165' interval.

Thank you for providing your comments. Please let me know if you have any questions.

D.R. Smallbeck
Principal Program Manager
Construction Remediation

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From: d'Almeida, Carolyn K. [mailto:dAlmeida.Carolyn@epa.gov]
Sent: Tuesday, June 07, 2016 11:11 AM
To: JERRARD, CATHERINE V GS-13 USAF HAF AFCEC/CIBW; Smallbeck, Donald R.; Pearson, Stuart C.
Cc: Davis, Eva; Wayne Miller; steve@uxopro.com; Brasaemle, Karla; Rohrbaugh, Amanda
Subject: FW: 2016-6-6 - WAFB FYI - ST012 Daily report Sun June 5 - C21 well TD at 160 ft - U29 napl at 165 - L46 well - L45 drill - SW UXO

Cathy/ Don/Stu

I'm not sure whose in the field; but we have a comment on well screened interval for UWBZ29 – hopefully its not too late to adjust:

Because of the positive dye test at 165 feet, Well UWBZ29 should be screened from 165-185, not 170-190 feet.

Carolyn d'Almeida
Remedial Project Manager
Federal Facilities Branch (SFD 8-1)
US EPA Region 9
(415) 972-3150

"Because a waste is a terrible thing to mind..."

From: Brasaemle, Karla [<mailto:KBrasaemle@TechLawInc.com>]
Sent: Monday, June 06, 2016 11:50 AM
To: d'Almeida, Carolyn K. <dAlmeida.Carolyn@epa.gov>; Rohrbaugh, Amanda <ARohrbaugh@TechLawInc.com>
Cc: Anderson, Michael <MAnderson@TechLawInc.com>
Subject: RE: 2016-6-6 - WAFB FYI - ST012 Daily report Sun June 5 - C21 well TD at 160 ft - U29 napl at 165 - L46 well - L45 drill - sw uxo

Because of the positive dye test at 165 feet, Well UWBZ29 should be screened from 165-185, not 170-190 feet.

Karla Brasaemle, P.G.
TechLaw, Inc.

From: d'Almeida, Carolyn K. [<mailto:dAlmeida.Carolyn@epa.gov>]
Sent: Monday, June 06, 2016 11:16 AM
To: Rohrbaugh, Amanda; Brasaemle, Karla
Cc: Anderson, Michael
Subject: FW: 2016-6-6 - WAFB FYI - ST012 Daily report Sun June 5 - C21 well TD at 160 ft - U29 napl at 165 - L46 well - L45 drill - sw uxo

From: Wayne Miller [<mailto:Miller.Wayne@azdeq.gov>]
Sent: Monday, June 06, 2016 9:39 AM
To: d'Almeida, Carolyn K. <dAlmeida.Carolyn@epa.gov>; Davis, Eva <Davis.Eva@epa.gov>
Subject: 2016-6-6 - WAFB FYI - ST012 Daily report Sun June 5 - C21 well TD at 160 ft - U29 napl at 165 - L46 well - L45 drill - sw uxo

FYI -

From: Steve Willis [<mailto:steve@uxopro.com>]
Sent: Sunday, June 05, 2016 10:17 PM
To: Wayne Miller <Miller.Wayne@azdeq.gov>
Subject: 2016-6-5 - WAFB ST012 Daily report Sun June 5 - C21 well TD at 160 ft - U29 napl at 165 - L46 well - L45 drill - sw uxo

Wayne,




Attached is my site visit report for today.

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UXO Pro, Inc.
Arizona Registered Geologist #30448
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